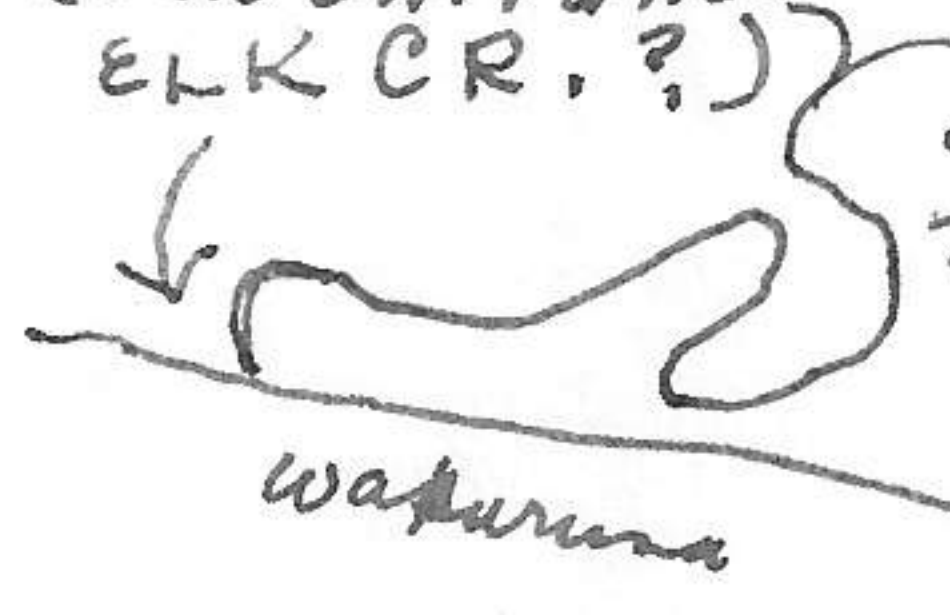


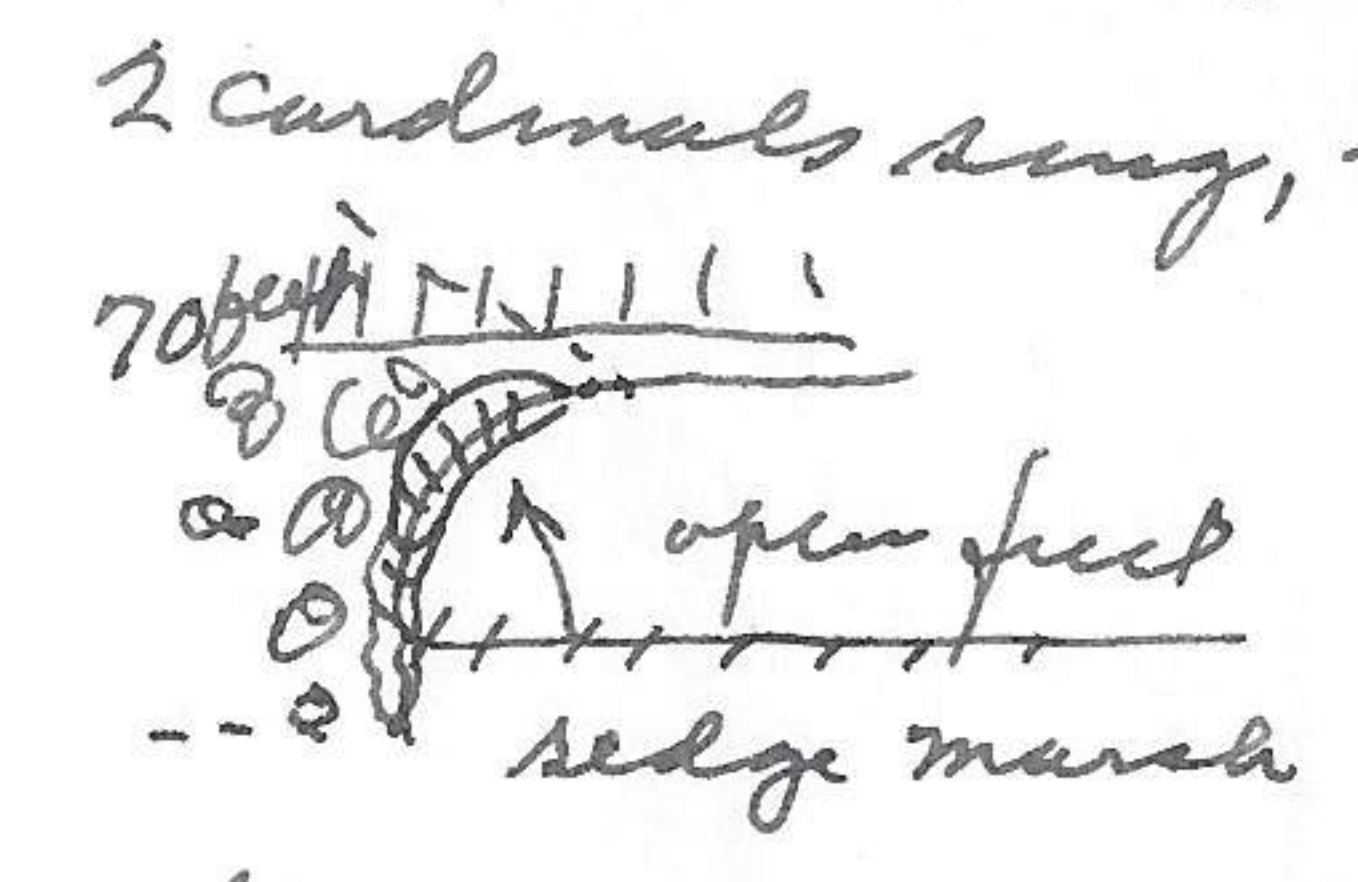
March 10, 1963

2 chickadees, 2 red-bellied woodpeckers. 30 robins, 3 bluebirds, 2 cardinals calling to
 1:30 n end harpincurve. 1 red bellied, 3 chickadees. can hear many robins calling to
 S.E. 1:34 1 red squirrel, robin widely spread in this area. 1:27 small flock birds,
 2 cardinals, nuthatch, 3 chickadees, 9 juncos. 1 red bellied 1:38 creek from S at
 bend, now nNE. 1:40 mouth Elk Creek. Bridge on w border middle of sec 25
 3 red bellies here at 1:46 P.M.

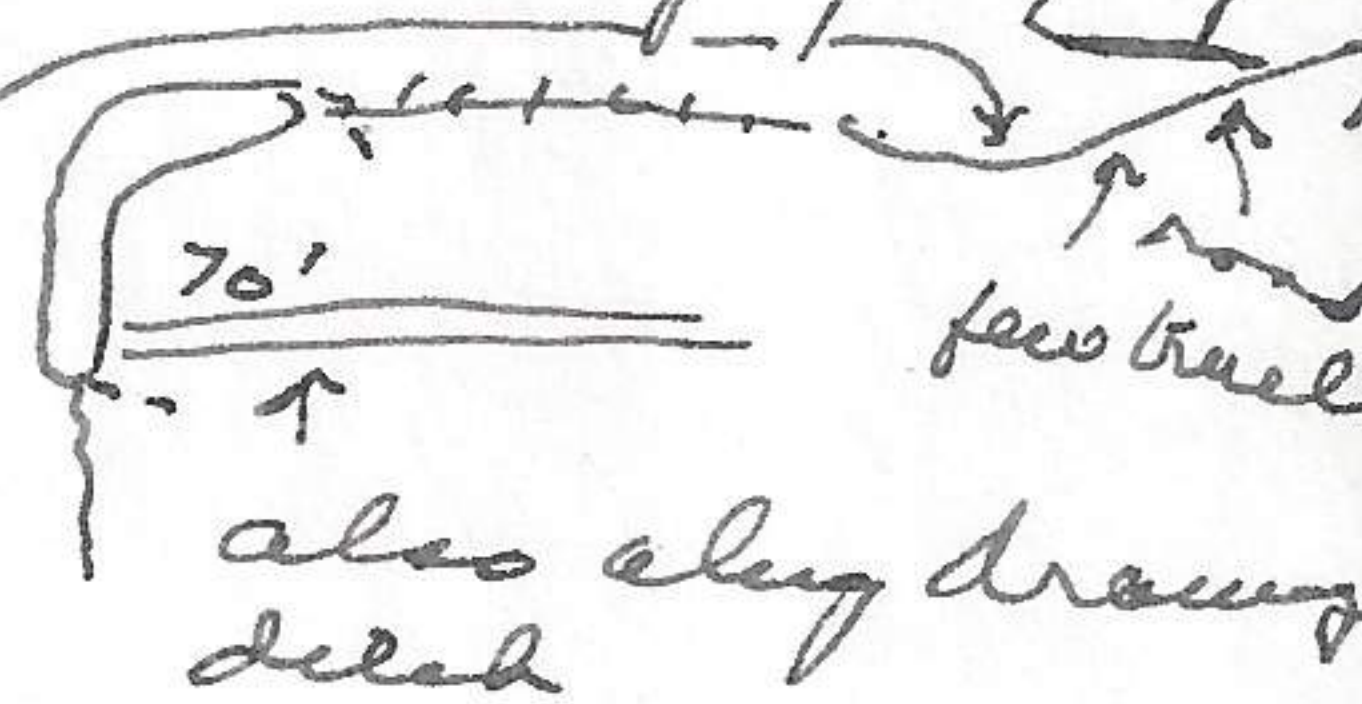
Left bridge 2:00 P.M. Left rd 2:05 windy. mt Elk Creek 2:06, crossed creek on
 high log. Saccoon droppings on log. 2 red bellies, 1 red bellied & squirrel fighting
 over nesting hole, chickadees concerned below. 2nd drainage 2:14. 1 red bellied,
 Chickadees & 3 juncos. The meanders are characteristic of drainage into Wakarusa River
 (old entrance ELK CR.?)



point of ridge 2:23, red bellied, chickadee & robin.
 2:26, north canyon. few cliffs on low hill. 2:30 opposite
 harpincurve, at base of hill. 2:33 steep hill to S now. good
 2:36 end forest now open field, birds at edge but not in forest.



2 cardinals sang, Kinglet, 1 redtail flew across field to N. Excellent *Synagostis*
 good signs, tracks etc. Length marsh
 2:46 turn of dike. One continuous
 runway in damp sedges to here



2 redtails still leveling to N over Wakarusa, 1 Jay calling
 to S. 2:49 rd from hill to S. Few tracks E & W of rd but not as good as
 from bend E. 3 jays to S, 3 juncos. good tracks W end of drainage before Wakarusa
 all runoff water not springs. 255 end field & dike. 257 Wakarusa. 90 blue geese to
 N. Rock fence segment on top cliffs to S. 2 red bellied, 3 chickadees 3:00 1 red bellied
 301 cabin on top cliffs 3 m. ochre under boat, had piled up 1 bushel dirt under

3:08 Heronry - nest from W to E, tree 1=11, tree 2=1, tree 3=6, tree 4=1, 3:10 drainage creek
 5. highly meandering. 3:18 head open field, will follow lower contour. few
 runways on contours but not too many. 18 juncos. 3:23 east end open field
 among timber, 12 juncos, 1 red bellied. 3:27 deep erosional gully from pond above.
 1 G.H. Owl from creek bottom, 2 red bellied, 3:33 opposite straight drainage
 from N. 3:35 drainage from S. 1 G.H. Owl. Wakarusa leaves hills 3:40
 chickadees & small birds. 3:46 isolated patch of weeds & foxtail. 3:48 crossed
 drainage, some runway in weed field. Road 3:50, juncos, 2 cardinals
 3 hawks, 3 horned larks in burnt field to N. Field with continuous runway
 of m. owl. 3 jays to S, hawks & centers of trails every 60' as centers of
 microtus activity. runway almost continuous. 4:10 4 crows to S. 4:03 2
 blue jays. Redwings calling to N in drainage ditch. 3 juncos. at 4:05
 leaving hillside to cross valley to Clinton along road. Some microtus activity
 where drainage ditch crosses road. 4:14 Richland. Temp. 50°F

Picked up car at Bridge to N and then return to Richland. now to east
 to pick up Conae. 24.7 at Richland, at 4:20 P.M. 2.80 just 1/10
 mile N of 4 way crossroad at Elk Creek saw 1 red-headed woodpecker.

Picked up lane at 28.4 - 4:40 P.M. Bridge at 48.5 now to east. 28.7 3
 horned larks. Center 25 sec. now to N. 29.4 1 horned lark, 29.9 12 tree
 sparrows. 30.4 2 horned lark. bridge SE corner sec 19 30.7. E border sec 19
 middle at 4 way cross rds, 31.2. about 3/8 mile of good grasses, ridges and
 runways on N side road to where rd turns N. Redtail flew across valley
 evenly as on two previous occasions 18 hawks in fields below.
 31.9 at turn to N, 32.8 middle sec 17 now on regular rd to E. Clinton 35.9

at 5:05. 39.9 S end proposed dam. 5:15 P.M. Day cloudy, windy & cold.